



HIGH PERFORMANCE RAILROAD/MARINE ENGINE OIL

ZINC FREE DIESEL ENGINE OIL

Product Description: EMD RAILROAD / MARINE OILS are made from the highest quality solvent refined hydrotreated base oils. This selected base oil with the necessary additives prevents deposits. This oil contains non-zinc antiwear additives, oxidation & corrosion inhibitors. This product has a high TBN of 13 or 17 to neutralize acids where high sulfur fuels are used. Suitable for 2-stroke and 4-stroke engines in railroad, marine and stationary power applications.

Features:

- Zinc Free
- High TBN protects against corrosive wear when using high sulfur diesel fuels.
- Protects Silver bearings.
- Recommended for use in Caterpillar 3600 & DDC engines wherever Rail Road (Zinc Free) products are recommended.
- SAE 20W-40 provides Oil Consumption benefits over Single grade oils.

Typical Uses:

- Approved for use in EMD (GM-Electro-Motive Division) where zinc free oils must be used for the protection of silver bearings.
- Meets and exceeds API service classification of API CD, CF and CF-2 requirements.
- Also meets requirements of Caterpillar 3600 for mixed fleet operations.
- Meets LMOA Generation 5 & GE Generation 4 Long life requirements.

Typical Specifications:

SAE Grade	40	40	20W-40
Gravity °API	26.8	26.8	28.5
Flash Point, °F.	475	480	480
Pour Point, °F.	+10	+10	-5
Viscosity:			
cSt. @ 40° C.	142	140	-
cSt. @ 100° C.	14.7	14.5	14.5
Total Base No. (D-2896)	13	17	17
Sulfate Ash, Wt.%	1.48	2.0	2.0
Zinc, ppm	<10	<10	<10

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY